

Abstract

An exposure unit and a work piece support table are interchangeably mounted on an elongated, horizontal support arm. The support arm is a part of a screen-printing machine that includes a post to which one end of the support arm is connected. The post includes a rotor to which a plurality of printing screens are attached. The rotor is rotated to successively place the printing screens above the exposure unit. After the printing screens are exposed, they are removed from the rotor and washed to remove from them an unexposed portion of a coating that was applied to the printing screen. This unexposed portion of the coating is washed away, leaving a positive image on the screen where the washed away material was once located. This positive image reason will pass ink. After the printing screens have been prepared, the exposure unit is removed from the support arm and is replaced on the support arm by a work piece supporting table. A work piece is positioned on the table. Then, the printing screens are moved into position about the work piece, one at a time. Each is moved down onto the work piece and ink is applied to it for printing a positive image represented by the pattern on the printing screen. The exposure unit is provided with locator pins. A plurality (e.g. three) light transmitting, positive image carriers are positioned on the light transmitting top of the exposure unit. Each positive image carrier includes a plurality of locator pin openings in which the locator pins are received. The locator pins and the locator pin openings serve to position the positive image carrier in a predetermined position on top of the work piece.